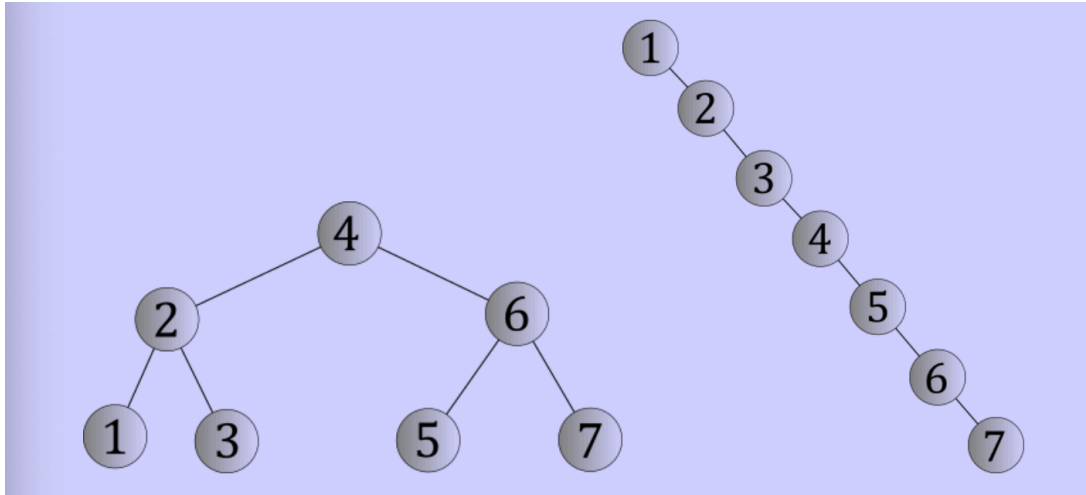


01/09/25

AVL Trees



Perfect binary tree vs degenerate tree

Perfect binary tree

- Best possible shape for a BST

Degenerate tree

- Like a linked list, but more complicated
- $O(n)$ lookup
 - Time and memory
- $\theta(n^2)$ steps to build
- Should try to balance

Perfect binary trees

Complete binary trees